

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,623A

DATE: 11/12/2001

TIME: 14:48:52

Input Set : A:\ISPA3292.ST25.txt

Output Set: N:\CRF3\11122001\I486623A.raw

DEC 07 2001

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P5

ENTERED

3 <110> APPLICANT: Nielsen, Peter E.
 4 Good, Liam
 6 <120> TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
 8 <130> FILE REFERENCE: ISPA3292
 10 <140> CURRENT APPLICATION NUMBER: 09/486,623A
 11 <141> CURRENT FILING DATE: 2000-07-06
 13 <150> PRIOR APPLICATION NUMBER: PCT/US98/19199
 14 <151> PRIOR FILING DATE: 1998-09-16
 16 <150> PRIOR APPLICATION NUMBER: 08/932,140
 17 <151> PRIOR FILING DATE: 1997-09-16
 19 <160> NUMBER OF SEQ ID NOS: 27
 21 <170> SOFTWARE: PatentIn version 3.1
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 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Novel Sequence
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 35 <210> SEQ ID NO: 2
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 61 <212> TYPE: DNA
 62 <213> ORGANISM: Artificial Sequence
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 67 <400> SEQUENCE: 4
 68 attgtcttcc tttttca 17
 71 <210> SEQ ID NO: 5
 72 <211> LENGTH: 15
 73 <212> TYPE: DNA

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74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Novel Sequence
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (1)..(14)
82 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
83     backbone
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (15)..(15)
89 <223> OTHER INFORMATION: Modified site. N-[ acetyl (2-aminoethyl)]-C-lysine-
90     glycine backbone
93 <400> SEQUENCE: 5
94 ggtcatagct gtttc                                     15
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 15
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100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Novel Sequence
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (1)..(14)
108 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
109     backbone
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (15)..(15)
115 <223> OTHER INFORMATION: Modified site. N-[ acetyl (2-aminoethyl)]-C-lysine-
116     glycine backbone
119 <400> SEQUENCE: 6
120 tactcatact cttcc                                     15
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128 <220> FEATURE:
129 <223> OTHER INFORMATION: Novel Sequence
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)..(14)
134 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
135     backbone
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (15)..(15)
141 <223> OTHER INFORMATION: Modified site. N- [acetyl (2-aminoethyl)]-C-lysine-
142     glycine backbone

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149 <210> SEQ ID NO: 8
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157 <220> FEATURE:
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159 <222> LOCATION: (1)..(14)
160 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
161 backbone
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (15)..(15)
167 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoethyl)]-C-lysine-glycine
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175 <210> SEQ ID NO: 9
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184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (1)..(1)
186 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (2)..(4)
192 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
glycine
193 backbone
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (5)..(6)
199 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (7)..(7)
205 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
glycine
206 backbone
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (8)..(8)
212 <223> OTHER INFORMATION: Modified site.
213 (O-2-aminoethyl-O'-acetyl-ethyleneglycol), (O-2-aminoethyl-O'-ace

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214      tyl-ethyleneglycol), (O-2-aminoethyl-O'acetyl-ethyleneglycol)
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (9)..(14)
220 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (15)..(15)
226 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoethyl)]-C-lysine-glycine
backbon
227      e
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231 tnnnnttnnct tccct
234 <210> SEQ ID NO: 10
235 <211> LENGTH: 15
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Novel Sequence
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (1)..(1)
245 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
246      glycine backbone
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (2)..(4)
252 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
253      backbone
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (5)..(6)
259 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
260      glycine backbone
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (7)..(7)
266 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
267      backbone
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (8)..(8)
273 <223> OTHER INFORMATION: Modified site.
274      (O-2-aminoethyl-O'-acetyl-ethyleneglycol),(O-2-aminoethyl-O'acety
275      l-ethyleneglycol), (O-2-aminoethyl-O'acetyl-ethyleneglycol)
278 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
280 <222> LOCATION: (9)..(14)
281 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
282      backbone

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Input Set : A:\ISPA3292.ST25.txt

Output Set: N:\CRF3\11122001\I486623A.raw

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 286 ntttntntc ctttc 15
 289 <210> SEQ ID NO: 11
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 294 <220> FEATURE:
 295 <223> OTHER INFORMATION: Novel Sequence
 297 <220> FEATURE:
 298 <221> NAME/KEY: misc_feature
 299 <222> LOCATION: (1)..(14)
 300 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
 301 backbone
 304 <220> FEATURE:
 305 <221> NAME/KEY: misc_feature
 306 <222> LOCATION: (15)..(15)
 307 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoethyl)] -C-lysine-
 308 glycine backbone
 311 <400> SEQUENCE: 11
 312 catactcttt ctcct 15
 315 <210> SEQ ID NO: 12
 316 <211> LENGTH: 25
 317 <212> TYPE: DNA
 318 <213> ORGANISM: Artificial Sequence
 320 <220> FEATURE:
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 323 <220> FEATURE:
 324 <221> NAME/KEY: misc_feature
 325 <222> LOCATION: (1)..(2)
 326 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
 327 backbone
 330 <220> FEATURE:
 331 <221> NAME/KEY: misc_feature
 332 <222> LOCATION: (3)..(3)
 333 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
 334 glycine backbone
 337 <220> FEATURE:
 338 <221> NAME/KEY: misc_feature
 339 <222> LOCATION: (4)..(4)
 340 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
 341 backbone
 344 <220> FEATURE:
 345 <221> NAME/KEY: misc_feature
 346 <222> LOCATION: (5)..(7)
 347 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
 348 glycine backbone
 351 <220> FEATURE:
 352 <221> NAME/KEY: misc_feature
 353 <222> LOCATION: (8)..(10)

→ Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\ISPA3292.ST25.txt

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L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20